

Taek Lim

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SUMMARY

Computer Science Master's student (expected 12/2026) with 5 years of experience designing and operating scalable, data-intensive distributed systems processing millions of daily events. Researching performance optimization and data integrity in distributed ledger systems, and applying deep learning to cybersecurity risk analysis. Expertise in cloud infrastructure (AWS), data pipelines, system modernization, and leading cross-functional teams. Passionate about building simple, but secure, reliable systems. Seeking to apply distributed systems research and practical engineering experience to solve complex problems at scale.

EDUCATION

University of Central Missouri

M.S. Computer Science: Algorithms, Compiler Design, AI, Neural Network and Deep Learning

Warrensburg, MO, 01/2025 - Expected 12/2026

Georgia Institute of Technology

M.S. Computer Science - Online: Operating Systems, Networks

Atlanta, GA, 01/2024 - Expected 12/2026

University of California, Los Angeles

B.S. Mathematics-Economics

Los Angeles, CA, 03/2013

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Frontend) at Adriel

Seoul, South Korea, 11/2021-05/2024

- Reduced frontend loading time by 50% by leading the migration and architectural redesign of a cross-channel digital marketing dashboard from **Vue2.js** to **React.js** with **Next.js**.
- Reduced client report generation time by 50% by developing a PDF export feature with layout conversion algorithms.
- Built a WYSIWYG editor widget, achieving 100% adoption across all customers for enhanced user content creation.
- Contributed to cross-platform **React Native** application development, implementing user experience improvements including efficient screen flows, deep linking integration, and webpack configuration optimization.
- Led study sessions and delivered lectures on **JavaScript** & **RxJS** for junior developers, improving team performance.
- Reduced communication overhead by 50% by enhancing frontend documentation (setup, business logic, terminology)

Software Engineer at Recobell

Seoul, South Korea, 02/2018-07/2019

- Developed and improved a cloud-based recommendation system processing 20 million user events daily from client web and mobile services, using **Java**, **JavaScript**, **Spring**, **SQL**, **PostgreSQL**, **MySQL**, **MyBatis**, **S3**, **Redshift**, and **AWS**.
- Maintained core services, including log collector, **AWS Kinesis stream**, SQL-driven recommendation engine, and API server.
- Led the development of keyword-based book recommendation for Korea's No.1 bookstore with \$500M annual revenue.

PROJECTS

OAuth2 Authorization & Authentication Server: Java, Spring Boot & Security

07/2025-Current

- Implemented authentication and authorization systems using JWT to securely manage user access across multiple internal services.

MapReduce Infrastructure Implementation: C++, gRPC, protobuf

11/2024

- Designed and implemented a simplified distributed MapReduce infrastructure based on "MapReduce: Simplified Data Processing on Large Clusters" by Jeffrey Dean and Sanjay Ghemawat.

SKILLS

- Frontend: JavaScript/TypeScript, React.js, React Native, Next.js, TanStack, Jotai, Vue.js, RxJS, HTML/CSS/Sass, jQuery
- Backend: Java, Spring Boot & Security, JSP, Node, JUnit, REST API/GraphQL, gRPC/Protobuf, C/C++, Python
- Databases: SQL, PostgreSQL, MySQL, Redis, AWS Redshift
- Cloud/Infra: Linux, AWS EC2/S3/RDS/EBS, Oracle Cloud, Azure, Kafka, Prometheus, Grafana
- Tools/CI/CD: Git, Docker, Gradle, Maven, Webpack, Babel, ESLint, Jest, npm, Yarn, Jenkins, GitHub Actions
- Other: OAuth2, Functional/Reactive Programming

SCHOLARSHIPS & CERTIFICATIONS & LICENSES & ETC

- Member, Upsilon Pi Epsilon (Computing Honor Society) 10/2025
- Graduate Student Achievement Award, UCM \$1,000 08/2024
- SQL Developer Certificate, Korea Data Agency 07/2023
- CS Bachelor's Degree Examination for Self-Education, Ministry of Education, S.Korea 02/2021
- CS Engineer Information Processing License, HRDK 11/2018